

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058981.D
 Acq On : 25 Oct 2019 12:54
 Operator : JC/SP
 Sample : VN1026WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:47:59 AM

Quant Time: Oct 25 23:47:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	341494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	546123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243287	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	250380	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
35) Dibromofluoromethane	7.57	113	183885	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
50) Toluene-d8	10.08	98	700225	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	253790	49.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	81193	19.069	ug/l	100
3) Chloromethane	2.04	50	102981	19.529	ug/l	99
4) Vinyl Chloride	2.17	62	105396	20.130	ug/l	98
5) Bromomethane	2.55	94	61292	18.694	ug/l	98
6) Chloroethane	2.69	64	65631	19.547	ug/l	94
7) Trichlorofluoromethane	3.00	101	132577	20.464	ug/l	97
8) Diethyl Ether	3.39	74	46957	20.974	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	72671	20.234	ug/l	99
10) Methyl Iodide	3.93	142	81772	17.311	ug/l	99
11) Tert butyl alcohol	4.75	59	83751	100.766	ug/l	100
12) 1,1-Dichloroethene	3.72	96	68489	20.344	ug/l	98
13) Acrolein	3.58	56	34797	60.931	ug/l	99
14) Allyl chloride	4.30	41	141003	20.699	ug/l	98
15) Acrylonitrile	4.96	53	224359	107.314	ug/l	100
16) Acetone	3.79	43	227238	91.816	ug/l	100
17) Carbon Disulfide	4.03	76	204181	18.828	ug/l	100
18) Methyl Acetate	4.30	43	124938	22.204	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	248106	21.047	ug/l	97
20) Methylene Chloride	4.53	84	84021	19.882	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	75701	20.362	ug/l	97
22) Diisopropyl ether	5.92	45	289341	21.715	ug/l	96
23) Vinyl Acetate	5.87	43	1192611	111.404	ug/l	100
24) 1,1-Dichloroethane	5.82	63	161159	20.859	ug/l	99
25) 2-Butanone	6.81	43	317571	98.848	ug/l	98
26) 2,2-Dichloropropane	6.80	77	134834	20.176	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	88566	20.854	ug/l	99
28) Bromochloromethane	7.18	49	52816	20.526	ug/l	99
29) Tetrahydrofuran	7.19	42	207482	105.571	ug/l	100
30) Chloroform	7.35	83	156509	20.195	ug/l	97
31) Cyclohexane	7.64	56	138819	19.286	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	133418	20.424	ug/l	99
36) 1,1-Dichloropropene	7.77	75	114753	20.524	ug/l	100
37) Ethyl Acetate	6.91	43	128949	21.166	ug/l	99
38) Carbon Tetrachloride	7.76	117	114932	19.954	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	122736	19.550	ug/l	98
40) Benzene	8.02	78	341985	20.829	ug/l	96
41) Methacrylonitrile	7.16	41	51000m	18.796	ug/l	
42) 1,2-Dichloroethane	8.11	62	129882	20.536	ug/l	99
43) Isopropyl Acetate	8.15	43	203091	20.786	ug/l	99
44) Trichloroethene	8.82	130	82752	20.691	ug/l	98
45) 1,2-Dichloropropane	9.10	63	94366	20.960	ug/l	97
46) Dibromomethane	9.20	93	59335	20.847	ug/l	99
47) Bromodichloromethane	9.39	83	122323	20.853	ug/l	98
48) Methyl methacrylate	9.19	41	92335	20.829	ug/l	99
49) 1,4-Dioxane	9.19	88	30404	417.809	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	651252	114.116	ug/l	100
52) Toluene	10.15	92	211663	21.740	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	136915	21.084	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	146024	21.047	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	86421	21.546	ug/l	99
56) Ethyl methacrylate	10.43	69	126628	20.104	ug/l	98
57) 1,3-Dichloropropane	10.70	76	149877	21.291	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	261537	95.508	ug/l	99
59) 2-Hexanone	10.75	43	479073	108.635	ug/l	100
60) Dibromochloromethane	10.90	129	90399	20.939	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87444	21.303	ug/l	100
64) Tetrachloroethene	10.63	164	72686	20.149	ug/l	97
65) Chlorobenzene	11.43	112	221882	21.158	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	83635	21.134	ug/l	99
67) Ethyl Benzene	11.51	91	396216	21.538	ug/l	97
68) m/p-Xylenes	11.62	106	293250	42.984	ug/l	100
69) o-Xylene	11.95	106	137457	21.126	ug/l	99
70) Styrene	11.97	104	225339	19.833	ug/l	100
71) Bromoform	12.13	173	63264	20.616	ug/l #	99
73) Isopropylbenzene	12.25	105	378514	21.289	ug/l	100
74) N-amyl acetate	12.07	43	169432	21.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	135092	21.609	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	115493m	20.483	ug/l	
77) Bromobenzene	12.53	156	91515	20.882	ug/l	99
78) n-propylbenzene	12.59	91	443278	21.092	ug/l	100
79) 2-Chlorotoluene	12.68	91	267187	20.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	323139	21.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42466	19.620	ug/l	98
82) 4-Chlorotoluene	12.78	91	272584	20.737	ug/l	99
83) tert-Butylbenzene	13.00	119	270393	21.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	316230	21.462	ug/l	98
85) sec-Butylbenzene	13.17	105	364539	21.404	ug/l	98
86) p-Isopropyltoluene	13.29	119	319442	21.257	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	161171	20.568	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	161817	20.626	ug/l	98
89) n-Butylbenzene	13.62	91	279390	20.239	ug/l	99
90) Hexachloroethane	13.88	117	63755	20.937	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	162731	21.129	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27408	19.383	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	87524	19.662	ug/l	99
94) Hexachlorobutadiene	15.01	225	49620	19.877	ug/l	97
95) Naphthalene	15.13	128	235930	18.402	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	88355	20.217	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

